

# BabyWing<sup>®</sup> Series Begonia

*B.x hybrida*

Approximate seed count (pelleted): 28,550 S./oz.  
(1,000 S./g)

## Germination

Germination takes 7 to 10 days.

## Sowing

Do not cover seed. Water thoroughly at sowing to completely dissolve the pellet. Recommended plug sizes are 400 to 200-cell.

## Temperature

72 to 80°F (22 to 27°C). Keep temperature as constant as possible.

## Humidity

Maintain relative humidity at 95%.

## Sowing

Do not cover seed. Germinating in a chamber is recommended.

## Light

Light is beneficial, but not required.

## Plug Production

### Media

Use a very well-drained, disease-free soilless medium with a medium pH of 5.8 to 6.2 and an EC of about 0.5 mmhos/cm (1:2 extraction).

### Temperature

Maintain soil temperature at 70 to 75°F (21 to 24°C) after true leaves develop. Plugs can be held at 62 to 65°F (17 to 18°C) from maturity until transplant.

### Light

After germination, maintain light levels between 1,000 and 2,500 f.c. (10,000 to 30,000 Lux). As seedlings mature, light levels can be increased up to 5,000 f.c. (54,000 Lux).

### Moisture

**BabyWing** is very sensitive to drying out during early stages of germination. Keep soil moisture high until the first true leaf develops, then reduce moisture levels.

## Fertilizer

The high soluble salts in fertilizers tend to affect **BabyWing**; however, it will also grow slowly if not fertilized. Frequent light fertilization is best. Use 20-10-20 about 50 ppm at Day 8 and 100 ppm at Day 11. Then use every other day until Stage 3. After true leaves emerge, alternate with 15-0-15 until transplant. Always rinse foliage after feeding.

## Plant Growth Regulators

None are required during the plug stage.

## Growing On To Finish

### Container Size

**4 to 4.5-in. (10 to 12-cm) pot:** 1 plant per pot  
**6-in. (15-cm) pot:** 1 to 2 plants per pot  
**6.5-in. (16-cm) and larger pots:** 3 plants per pot  
**10 to 12-in. (25 to 30-cm) hanging baskets:** 4 plants per pot

### Media

Use a well-drained, disease-free soilless medium with a medium initial nutrient charge and a pH of 6.0 to 6.5.

### Temperature

**Night:** 60 to 65°F (15 to 18°C)  
**Day:** 65 to 70°F (18 to 21°C)

### Light

Grow in a high light environment: 3,000 to 7,000 f.c. (30,000 to 70,000 lux). High light levels will result in earlier flowering and stronger stems.

### Irrigation

Allow the media to dry slightly, then water liberally. Water early in the day to avoid leaf burn when temperatures are high.

### Fertilization

Fertilize every other irrigation with 15-0-15, alternating with 20-10-20 at 150 ppm N. Maintain the medium EC around 1.0 mmhos/cm (1:2 extraction).

### Plant Growth Regulators

A very light spray of tank mix containing B-Nine 2,500 and Cycocel 300 ppm can be used at 2 to 3 weeks after transplant. A light phytotoxicity may appear on the foliage after the PGR spray, but the plant will recover later.

**Note:** **BabyWing** is very responsive to Bonzi and Sumagic. Avoid overspray from neighboring plants.

### Pinching

No pinching is required.

### Crop Scheduling

**Sow to transplant (406 or 288-cell plug tray):** 7 to 8 weeks

**Transplant to finish:** 5 to 7 weeks

**Note:** Space the plants when the foliage starts touching each other.

### Common Problems

**Insects:** Fungus gnats, shore flies

**Diseases:** No major problems when using good cultural and IPM practices.

### Garden and Landscape Tips:

**Garden height:** 12 to 15 in. (30 to 38 cm)

**Garden spread:** 10 to 12 in. (25 to 30 cm)

**Spacing:** 8 to 10 in. (20 to 25 cm) on center.

**Exposure:** Part sun to full shade. **BabyWing** will tolerate full sun in humid areas.

Plants are maintenance-free with early and continuous color.

# PanAmerican Seed™

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